

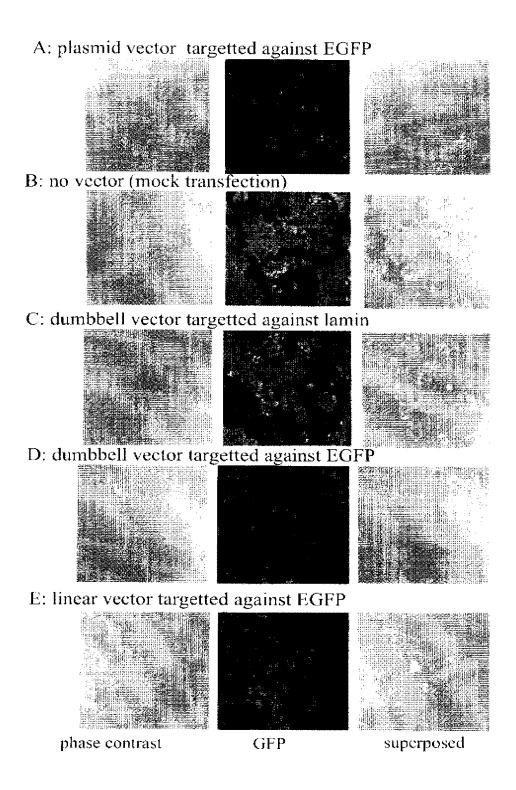
Fig. 3

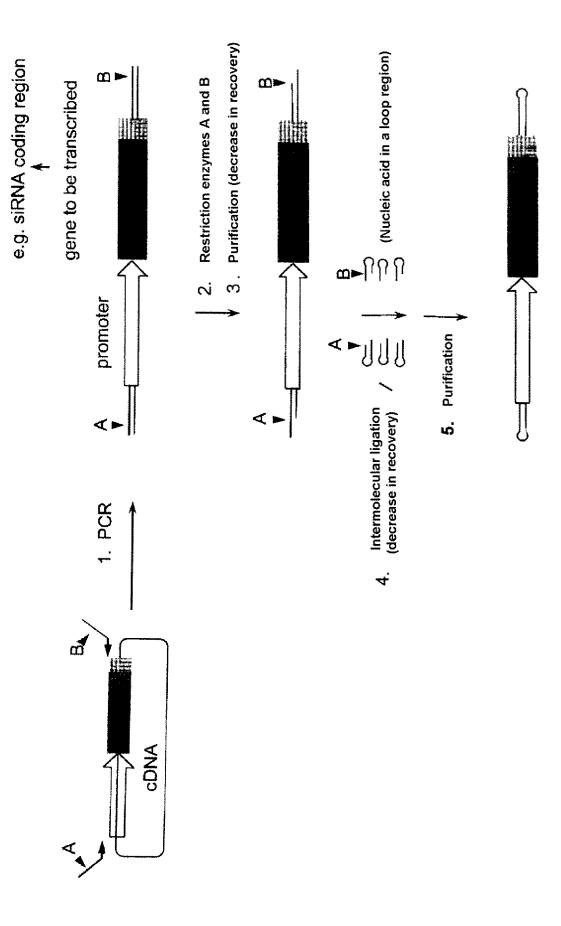
(A) novel method (B) conventional method

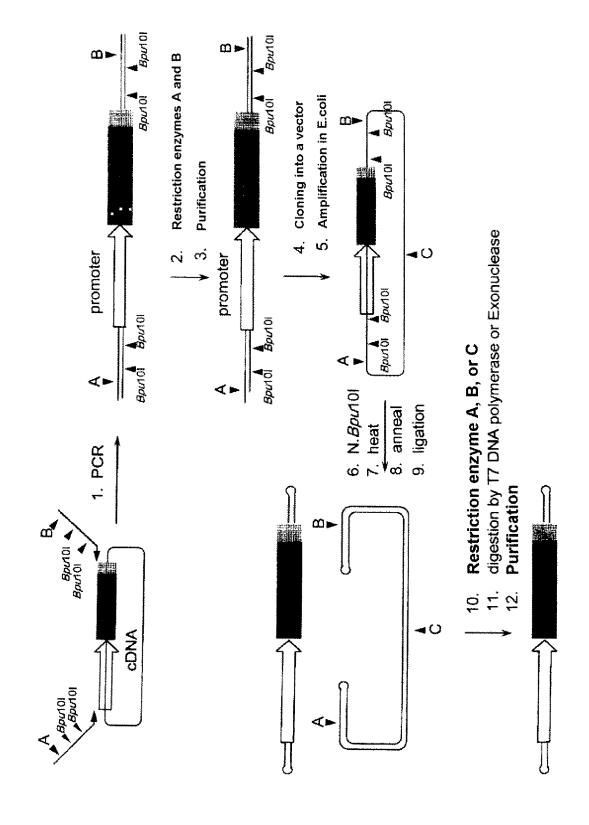
band intensity 1:0.94 1:0.41

Exonuclease III _ + _ +
digestion

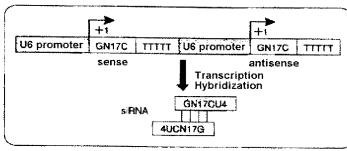
Lane number: 3 4	(b) Lane number: 3 4	Gene of interest + Fluorescein-OSu No reaction
(a) Labelled dumbbell vector (Fluorescein's fluorescence) Lane number: 1 2	(b) Whole dumbbell vector (EtBr staining) Lane number: 1 2	H ₂ N← Gene of interest + Fluorescein-OSu Fluorescein-OSu Fluorescein N← Gene of interest







a) Tandem- type



b) Stem loop-type

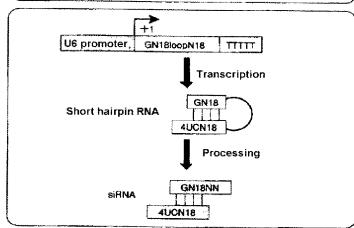
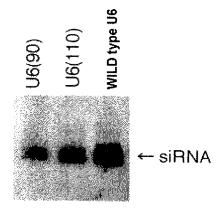
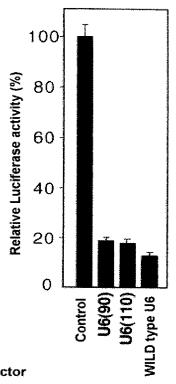


Fig. 9

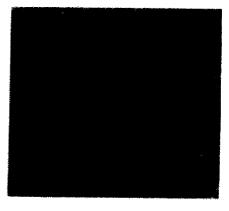
(a)Efficiency of siRNA expression by a minimized promoter



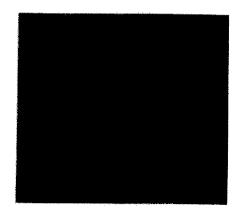
(b)Suppression of gene expression by a minimized promoter



(c) Cell nucleus permeability of a minimized vector



U6 (90) promoter



Wild type U6 promoter